IBM

Personal System/2 Model 35 SX with PS/2 Color Display

Great value, low price

The simple solution. If you're looking for a personal system that will fit right into your budget, IBM has the system you're looking for–the Personal System/2® Model 35 SX. For starters, this PS/2® 35 SX comes with one of our 14-inch color monitors, so you can be up and running all of your favorite programs right away. And the 35 SX delivers solid processing power and room for expansion. Best of all, it comes in at a price that makes it one of the best values around.

Choice of configurations. Two versions offer a choice of 40MB or 80MB hard disk storage. You can also choose from three different keyboards. If you need more options, IBM has them–including easy connection to a host system or other upgrades you may choose–so you can add extra functionality whenever you want. And the Model 35 won't take up a lot of space, thanks to its small footprint and optional vertical stand. Here are some of the features you get with the 35 SX:

- 20 MHz Intel386™ SX microprocessor
- 2MB standard memory
- 16MB maximum system board memory
- 40MB or 80MB hard disk storage
- 1.44MB 3.5-inch diskette drive
- Choice of three keyboards
- Three available expansion slots
- 16-bit VGA graphics
- AT®-bus architecture
- One of the smallest footprints available

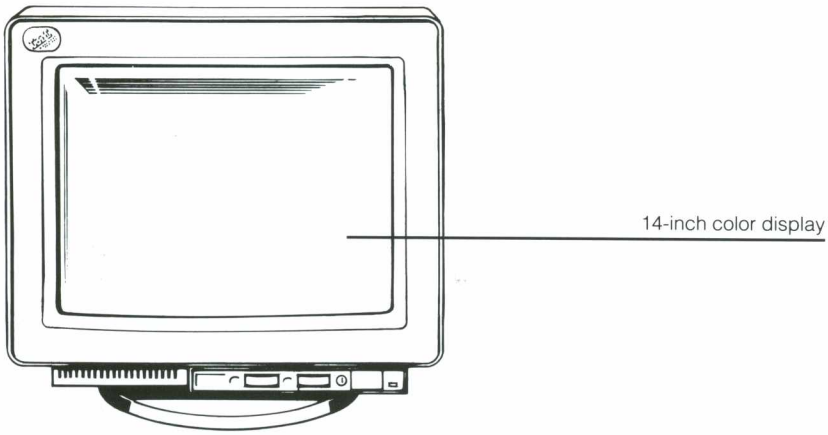
Service and support you can count on. Like all IBM products, the 35 SX comes with world-class service and support. That means you get a one-year limited warranty backed by IBM's commitment to quality, service and support.

Feature	Benefit
20 MHz i386™ SX microprocessor	• Allows you to support advanced 32-bit applications • Delivers solid power and performance
2MB memory, expandable to 16MB on planar	• Gives you plenty of speed plus workspace for large programs and files • Saves expansion slots for other options
Color display and 16-bit VGA graphics included	• Make business graphics, text and digitized images look sharp and clear • Simplify the selection process
Three available expansion slots	• Give you room to add more functions to meet changing needs
Choice of keyboards	• Increases flexibility by letting you select a different keyboard specific to your needs
Small footprint	• Leaves extra room on your desktop for papers, books, etc. • Allows you to set up multiple workstations in a small space
3270 terminal emulation	• Supports 122-key keyboard • Offers 132 columns of text and advanced 3270 attributes
Selectable boot	• Allows you to boot from any diskette or disk drive, so using different operating systems is simple
Optional vertical stand	• Saves you desk space by allowing the system to operate in a vertical position

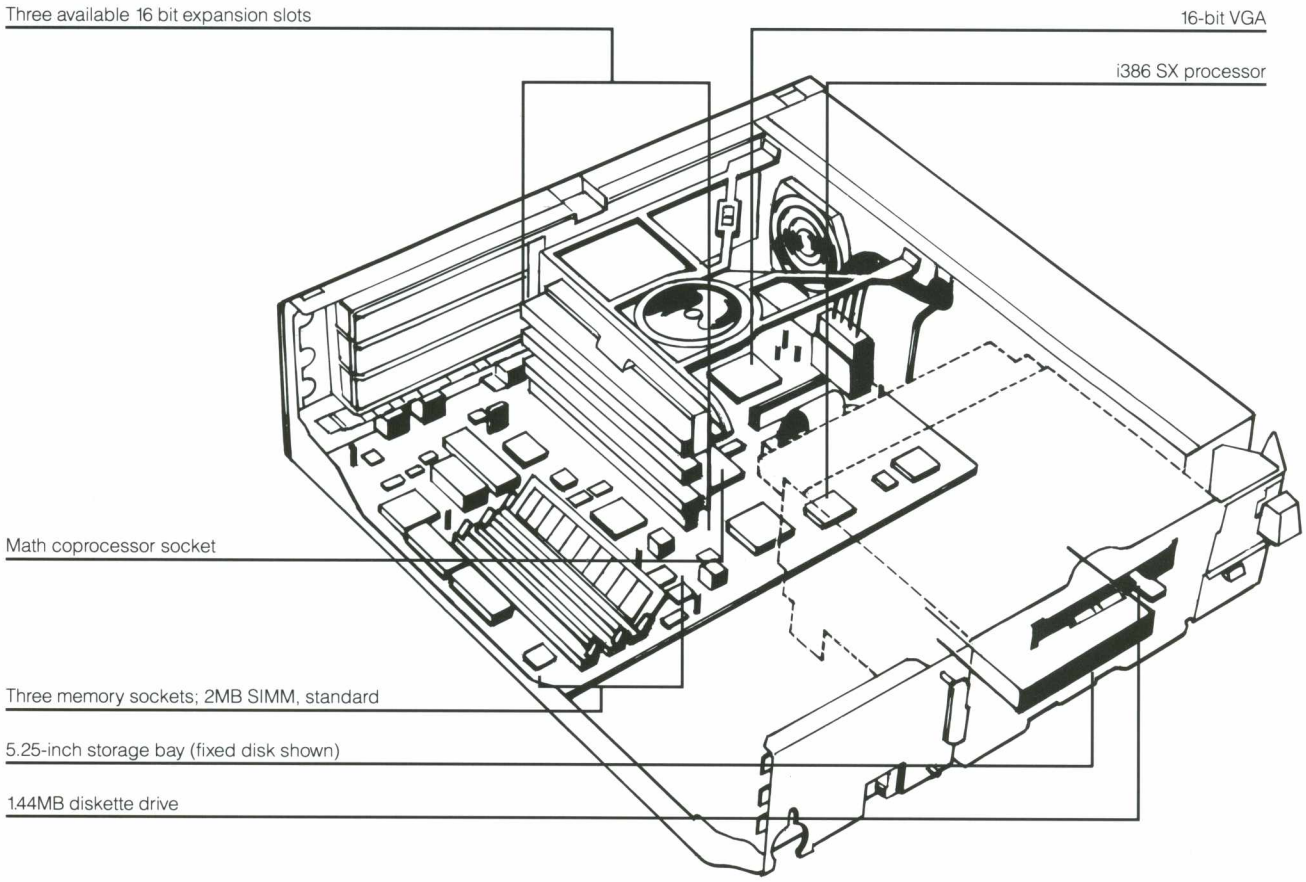
PS/2 Model 35 SX with color display at work

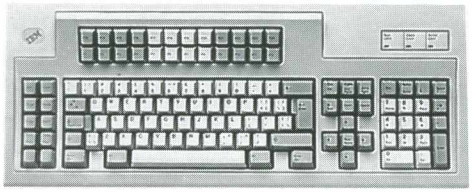
Here are some of the ways you can put the 35 SX to work for you:

- Simplify your PC buying decisions–and get more for your money too–by selecting the 35 SX with a PS/2 color display
- Take care of word processing tasks, compute spreadsheets, send electronic mail–at the office or at home
- Maximize your productivity by running advanced, 32-bit OS/2® applications[5] on your 35 SX
- Handle host-connected 3270 applications with a compatible 122-key keyboard–and get the advantage of an intelligent terminal at the same time
- Easily and economically share a wide range of network resources–like files, printers and programs–by connecting a 35 SX in your LAN
- Equip the classroom with a simple solution–for teachers and students alike

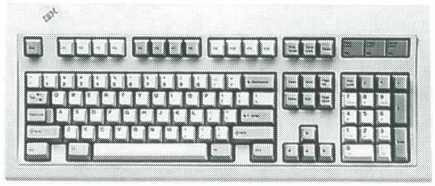


PS/2 8511 Color Display shown

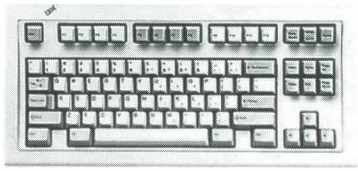

Three available 16 bit expansion slots
16-bit VGA
i386 SX processor
Math coprocessor socket
Three memory sockets; 2MB SIMM, standard
5.25-inch storage bay (fixed disk shown)
1.44MB diskette drive



IBM Host-Connected Keyboard (122 keys), available in 1 of 11 languages



PS/2 Enhanced Keyboard (101 keys), available in 1 of 11 languages



Space Saving Keyboard (84 keys), available in 1 of 3 languages (U.S. English, Canadian French and Spanish)

Wide range of options[1]

	Part number
Storage devices*	
• 3.5"1.44MB Slim High Diskette Drive	6451130
• 3.5"2.88MB Slim High Diskette Drive	6451106
• 5.25"1.2MB Slim High Internal Diskette Drive	6451066
• 5.25"360KB External Diskette Drive	4869001
• 40MB Fixed Disk Drive I	6451073
• 80MB Fixed Disk Drive I	6451074
• 120MB Internal Tape Backup Unit	30F5279
Scanners	
• 3118 Scanner	3118010/3118020
Connectivity/communications	
• Token-Ring Network Adapter II	25F9858
• Token-Ring Network 16/4 Adapter	25F7367
• PC Network Broadband Adapter II	1501220
• PC Network Baseband Adapter	1501221
• Serial/Parallel Adapter	6450215
• 3278/79 Emulator Adapter	53F6425
• SDLC Adapter	1501205
• Enhanced 5250 Emulation Adapter Kit	30F5383
• Display Station Emulation Adapter	92X0813
• Realtime Interface Co-Processor	00F5527
• Realtime Interface Co-Processor Multiport Model 2 (1MB)	33F8791
• Realtime Interface Co-Processor (128KB)	85X2710
• Realtime Interface Co-Processor (512KB)	85X2706
Graphics and multimedia	
• M-Audio Capture and Playback Adapter	87F9908
Other features	
• PS/2 Mouse	6450350
• SpeechViewer™ Kit	6450610
• SpeechViewer Hardware	6450611
• PhoneCommunicator Convenience Kit	6450618
• Screen Reader™	6450616
• PS/2 Floor Stand	95F5606
• Cable Cover	95F5610

* Models 35-4B1 and 4B2 come standard with two storage bays, which are equipped with a 3.5-inch 1.44MB drive and a 40MB (4B1) or 80MB (4B2) hard disk. Additional, optional, internal storage devices necessitate the removal of one or both of these drives.

Memory matrix table

Memory on system board	Both models
Standard memory	2MB
Maximum memory supported	16MB
System board memory expansion kits	1MB: 85ns (6450603) 2MB: 85ns (6450604) 2MB: 80ns (6450608) 4MB: 80ns (87F9977) 8MB: 80ns (6450129)
Number of memory kits that can be added on system board (available sockets)	2
Memory configurations possible on system board	Various configurations from 2MB to 16MB

Personal System/2 Model 35 SX with PS/2 color display at a glance

Machine numbers	4B1	4B2
Microprocessor		
Standard	80386 SX	80386 SX
Clock speed	20 MHz	20 MHz
Wait states	0-2	0-2
Other functions	Socket for i387™ SX math coprocessor	
Bus architecture	AT-type	AT-type
Data path	16-bit	16-bit
Memory (RAM)		
Standard	2MB (85ns)	2MB (85ns)
Maximum system board/system maximum	16MB	16MB
Integrated functions	16-bit VGA with display port, serial, parallel, keyboard and pointing device ports; diskette controller	
Available expansion slots	Three 16-bit	Three 16-bit
Diskette storage (internal)		
Standard	1.44MB 3.5-inch	1.44MB 3.5-inch
Optional*	1.44MB 3.5-inch; 2.88MB[2] 5.25-inch	1.44MB 3.5-inch; 2.88MB[2] 5.25-inch
Diskette storage (external)		
Optional (5.25-inch)*	360KB	360KB
Hard disk storage (internal)	40MB (17ms)	80MB (17ms)
Display modes	VGA (includes all EGA, CGA and MCGA modes)	
Text	360 or 720 x 400; 9 x 16 pel character matrix; 80 columns x 25 rows; up to 16 colors	
APA modes	320 x 200 x 256 colors or 64 gray shades; 640 x 480 x 16 colors or 16 gray shades; palette of 256,000 colors or 64 gray shades	
Supported printers/plotters	IBM Proprinter® 24P, IBM LaserPrinter family, IBM ExecJet™ Printer, IBM PagePrinter 3816, IBM Personal Printer Series II, IBM 618X Color Plotter, IBM 2456 Image Scanner	
Choice of Keyboards[3]	PS/2 Enhanced Keyboard (1393990): 101 keys, including 12 function keys and three lighted mode indicators; Space Saving Keyboard (1396050): 84 keys, including 12 function keys; IBM Host-Connected keyboard (1396400): 122 keys;[4] a 3-meter keyboard cable is standard with all keyboards	
Power supply	118-watt worldwide, autosensing and autoswitching	
Operating systems	DOS 3.3 or higher; IBM Operating System/2® Standard or Extended Edition 1.3; IBM Operating System/2 2.0[5]	
Size	4.5"H x 14.2"W x 16.4"D (115mm x 360mm x 416mm); 23.6 lbs. (10.75 kg)	
Warranty	One-year limited warranty	

* Models 35-4B1 and 4B2 come standard with two storage bays, which are equipped with a 3.5-inch 1.44MB drive and a 40MB (4B1) or 80MB (4B2) hard disk. Additional, optional, internal storage devices necessitate the removal of one or both of these drives.

Personal System/2 8512 and 8511 Displays at a glance

Displays	IBM 8512 14"Color	IBM 8511 14"Color
Viewing area	9.4"x 7.1"	9.8"x 7.4"
Dot pitch	.41mm	.39mm
Size	8511: 13.6"H x 14"W x 15.3"D (345mm x 355mm x 389mm); 33 lbs. (15 kg) 8512 : 12"H x 14"W x 15.5"D (308mm x 355mm x 356mm); 33 lbs. (15 kg)	
Warranty	One-year limited warranty	

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[1] The options listed may require other features for the desired function or for installation.

[2] DOS 5.0 or OS/2 Version 1.30.1 or 2.0 is required to support the 2.88MB drives.

[3] A keyboard must be selected; all keyboards are available in a variety of languages.

[4] Keys and features on this keyboard that are not on the 101-key keyboard are supported on the 35 SX by Personal Communications/3270 V.2.0 and 3270 Emulation Entry Level V.2.0 using DOS 5.0 or OS/2.

[5] Need approximately 4MB of system memory and the larger hard disk of model 4B2 for many OS/2 2.0 applications.

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Department ZV0
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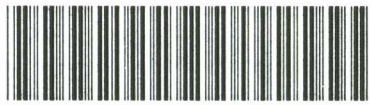

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